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COUNTY BOROUGH OF WARRINGTON.

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*Annual Report*  
TO THE  
**Education Authority**  
ON  
**SCHOOL HYGIENE**

For the Year

**1939**

**STUART F. ALLISON,**  
M.B., Ch.B., D.P.H.

*Medical Officer of Health  
and School Medical Officer.*



WARRINGTON:

PRINTED BY MACKIE & CO. LTD., THE GUARDIAN PRESS  
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# SCHOOL MEDICAL SERVICE COMMITTEE.

## LIST OF MEMBERS, 1939.

Alderman JOSEPH BANKS (Deceased 28/12/39)    Mr. NORMAN H. FACKRELL  
Alderman FRANK STRINGER, J.P.    Mr. HENRY GLEAVE  
Councillor WILLIAM G. CALDWELL    Mr. JOHN HELSBY  
Councillor WILLIAM HIGHAM    Mr. GEORGE A. WORSLEY  
Mrs. C. JACKSON HOLMES

Mr. CHARLES E. PARKER (Chairman—Deceased 30/10/39)

Councillor J. CANON BARDSLEY (chairman)

*Ex-officio* : Rev. EDWARD DOWNHAM, B.A.

(Chairman of the Education Committee)

Chief Education Officer : ROBERT E. PRESSWOOD, B.Sc., M.Ed.,

Assistant Secretary for Education : Mr. R. PRICE.

## OFFICIALS:

Office Held.	Name.	Qualifications.
School Medical Officer....	STUART F. ALLISON	M.B., Ch.B., D.P.H
Asst. School Medical Officer .....	C. A. PAULUSZ .....	L.R.C.P., L.R.C.S. (Ed.) L.R.F.P. & S. (Glas.), L.M.R.C.P.I., D.P.H.
Dental Officers .....	WILLIAM C. PARR ....	L.D.S. (Liverpool).
	Miss I. M. CANDON ....	L.D.S. (Sheffield).
School Nurses .....	Miss BROWN .....	General Cert., S.R.N.
	Miss GRIFFITH .....	General Cert.S.R.N., Hy- giene Cert. (Queen's).
	Miss WRIGHT .....	General Cert. S.R.N., Fever Hospital Cert.
	*Miss COVENTRY .....	General Cert. S.R.N., Mid. S.G.M., S.C.M., Cert. R.S.I., R.S.I. Children's Cert.
	Miss FLETCHER .....	General Cert., S.R.N. S.R. Fever Nurse, C.M.B. Cert.R.M.P.A.
	*Miss SHERMAN .....	S.R.N., S.C.M., R.S.I. Cert. (Appointed 1/7/38) *Joint Appointments: Health Visitor—School Nurse
	Miss A. OSBORNE .....	Dental Attendant
<b>Clerical Staff.</b>		
Dental Clerk .....	Miss J. CARMEL .....	
Medical Inspection Clerk	Miss J. TERRY .....	
Special Officer .....	Mr. W. RUTTER .....	
Clerk .....	Mr. J. ACTON .....	
Chief Medical Inspection Clerk .....	Mr. J. BENION .....	

## SCHOOL CLINICS.

Inspection Clinic (page 17)	Health Dept., Sankey Street	Examination of cases referred by Teachers, Attendance Officers, Nurses, &c.	Daily—9.30 a.m. to 12 noon (week-days) 9.30 a.m. 12 noon (Sat.)
Minor Ailment Clinic (page 18)	"	Treatment of con- tagious diseases of skin, eyes, &c.	9.30 a.m. to 12 noon Sats., 9 a.m. to 12 noon.
Dental Clinic (page 23)	"	Dental Treatment	9.30 a.m. to 12 noon 2 p.m. to 5 p.m. Special Cases, Wed- nesday and Saturday mornings
	Warrington Infirmary	Prescription of Spec- tacles	1 p.m. Fridays
	"	Treatment of enlarged tonsils and adenoids	Thursday 1.30 p.m. for examination. Operations on follow- ing Thursday
	8, Winmarleigh St.	Treatment of ring- worm of scalp	By appointment
	Borough General Hospital	Treatment of Crippling Defects	Daily, 9 a.m.
	"	Treatment of cases of aural discharge by ionisation	Daily, 9 a.m.



TO THE EDUCATION AUTHORITY OF THE  
COUNTY BOROUGH OF WARRINGTON.

Ladies and Gentlemen,

I have the honour to present the Annual Report on the School Medical Services for the year 1939.

Owing to the exigencies of the national situation it was not considered opportune to proceed with several matters previously contemplated.

There are 22 elementary schools with 46 Departments in the Borough.

The number of children in attendance at the elementary schools during the year 1939, was 10,786 as compared with 11,025 in 1938, and 11,258 in 1937.

3,430 children underwent Routine Medical Inspection in the schools and in addition, 2,181 special examinations were conducted within the schools or at the clinic, making a total of 5,611 examinations.

The usual medical supervision was carried out at the Boteler Grammar School and the Secondary School.

365 or 10.6% of the children examined, were found to require treatment for various defects. Practically all the defects found during the year received treatment.

2,695 children attended at the school clinic to receive treatment for minor ailments. The nurses carried out 18,313 dressings in the schools (page 16) thus obviating the necessity of excluding the children from attendance.

I wish again to convey to the Head Teachers and their assistants my sincere thanks for the cordial manner in which they have rendered assistance to the members of the School Medical Service.

I much appreciate the work done by Dr. Paulusz (Assistant School Medical Officer), and the School Nurses. I wish to thank Mr. Flood, Chief Sanitary Inspector, for his assistance in supervising the sanitary condition of the schools.

Mr. W. C. Parr, School Dental Officer, having previously volunteered for military service, was called up in November. Until the services of a temporary Dental Officer had been obtained, Miss Candon conducted the school dental work in a most satisfactory and capable manner.

I would also like to express my thanks to the School Medical Service Committee for their cordial support, and to the Chief Education Officer, and his staff, for their ready co-operation and assistance in collecting much of the information presented in this report.

I am,

Your obedient Servant,

STUART F. ALLISON.

## 1.—STAFF.

The Staff (as detailed on page 2) keeps under supervision the 10,786 children at present on the School Registers.

### Cost.

Rateable value,  $1/4/39 = \text{£}408,044$ .

Estimated product of 1d. rate, 1939-40 = £1599.15.

Total estimated expenditure on Elementary Education, 1939-40	£143,634
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Total estimated net cost of Special Services for Elementary Education, i.e., School Medical, Blind, Deaf Schools, etc., 1939-40	£6,517
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Total estimated net cost of School Medical Service only (Elementary), 1939-40 .....	£4,230
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(in other words, out of every £ spent on Elementary Education about 8d. is for Medical Services in connection with the scholars).

Gross cost of School Medical Service, year ending 31st March, 1939	£4,740
(compared with £4,761 in 1935-36, £4,691 in 1936-37 and £4,660 in 1937-38).	

Net cost on the rates of School Medical Service, same period £2,211 approx.

Cost per head of children on School roll, 1938-39.....	{ 8s. 8d. gross.
	{ 4s. 0½d. net.

## 2.—CO-ORDINATION WITH OTHER HEALTH SERVICES.

There has always been close co-operation between the work of the School Medical Service and that of the Local Health Department, as described in former Reports.

By means of daily lists of cases admitted and discharged from the Corporation Hospitals the School Nurses are enabled to obtain early information of cases of illness occurring in school children and take any necessary steps to follow them up.

## Co-ordination with Child Welfare Service.

The method of transference of records from the Maternity and Child Welfare Department to the Schools has been described in previous Reports.

### 3.—SANITARY CONDITION OF THE PUBLIC ELEMENTARY SCHOOLS.

The schools in the borough have been inspected at regular intervals to ascertain that the ventilation, lighting, heating equipment and sanitation were being maintained in a satisfactory condition.



The principal alterations and improvements completed during the year 1939, were at Latchford St. James' Junior Mixed and Infant Schools. Arrangements were made for bathing by the provision of a large bath, a shower bath, and 24 cubicles for dressing. Two large cloak rooms were erected and the yard surface (the greater portion of which had been previously unpaved) was covered with concrete.

The sanitary conditions at the other schools were similar to those described in my Annual Report for 1938.

#### 4.—MEDICAL INSPECTION.

The Routine Medical Inspections are conducted by the Assistant School Medical Officer at the various schools in the Borough.

All routine inspections are made on the school premises. The Board of Education schedule of medical inspection is followed in every instance, and there has been no disturbance of the ordinary school arrangements.

#### Age Groups Inspected.

Opportunity is offered for every school child to be thoroughly medically examined at least three times during attendance at a Public Elementary School, viz. :—

As soon as possible in the 12 months following

- (a) their first admission to school (Entrant Group) ;
- (b) their attaining the age of 8 years (Intermediate Group) ;
- (c) their attaining the age of 12 years (Leaver Group).

During 1939 there was no alteration in the age groups inspected.

In addition to the examinations of the children who were in the usual age groups, those children who were absent from the medical inspection in the previous year were again summoned for inspection.

For Elementary School Examinations see Table 1A, page 37.

„ Secondary	„	„	„	„	1A	„	38.
„ Junior	„	„	„	„	1A	„	38.

Comparing recent years the number of routine inspections have been :—

1939	.....	.....	.....	.....	3,430
1938	.....	.....	.....	.....	3,267
1937	.....	.....	.....	.....	3,650
1936	.....	.....	.....	.....	3,794
1935	.....	.....	.....	.....	3,933



## Special Examinations.

In addition to the routine medical inspections, many children are specially examined by the doctor each year. The teachers submit any special case to him in the schools after the routine inspection is ended, or special cases may at any time be sent to the School Clinic.

Thus in 1939 the following were dealt with :—

“Specials” at School and Clinic ..... 2,181  
(compared with 2,537 in 1938).

## Re-Examinations.

Then again, various additional examinations and re-examinations are carried out, both in the Schools and the Clinic in connection with the following up of defects. The number of such Re-inspections was 1,425 (compared with 1,271 in 1938).

## 5.—FINDINGS OF MEDICAL INSPECTION.

Out of 3,415 children examined in our Schools at the Routine Inspections during 1939, 365, or 10.6% were found to require treatment for one or more defects (see Table IIA, page 39). In addition, a number with defects required to be kept under observation although no actual treatment was necessary at the time. Table IIA in the Appendix (page 39), gives a return of the various defects found, whilst the number of children affected is shown as follows :—

*Number of individual children found at Routine Medical Inspection to require treatment (excluding uncleanliness and dental diseases).*

Group.	Number of Children		Percentage of children found to require treatment.
	Inspected.	Found to require treatment.	
Code Groups :			
Entrants ....	1219	120	9.8%
Second Age Group ....	1173	142	12.1%
Third Age Group ....	1023	103	10.0%
Total (Code Groups) ....	3415	365	10.6%
Other Routine Inspections (Secondary Schools) ....	548	16	2.9%
Partially-sighted Class.	15	2	13.3%

The proportion of children showing defects in all three groups is compared in the following table with the figures for England and Wales.

### Return Showing

- (1) The number of defects found among 3,430 children in the three age groups and the partially-sighted class at the routine examinations, 1939.
- (2) The incidence of defects requiring treatment and observation per 1,000 children examined in 1939.
- (3) The average incidence of defects amongst school children throughout England and Wales.

Group of Defects.	<i>Treatment.</i>			<i>Observation.</i>		
	Number of Defects requiring treatment.	Incidence of Defects per 1,000 children inspected.	Incidence of Defects per 1,000 pupils in England and Wales in 1938.	Number of Defects requiring observation.	Incidence of Defects per 1,000 children inspected.	Incidence of Defects per 1,000 pupils in England and Wales in 1938.
Skin Disease....	30	8.7	10.5	—	—	2.8
Defects of Vision ....	134	61.0*	74.0*	10	4.5*	41.7*
Squint ....	23	6.7	8.1	3	.8	5.1
Other Eye Diseases ....	47	13.7	6.4	—	—	2.6
Defects of Hearing ....	—	—	2.9	1	.2	2.6
Otitis Media ....	—	—	4.0	—	—	1.8
Chronic Tonsillitis ....	79	23.0	20.5	109	31.7	49.4
Adenoids ....	6	1.7	2.7	2	.5	3.1
Adenoids and Chronic Tonsillitis ....	9	2.6	20.0	3	.8	12.6
Other Nose and Throat Defects ....	1	.2	6.7	1	.2	6.6
Defects of Speech ....	—	—	1.5	8	2.3	3.0
Organic Heart Disease ....	—	—	1.6	8	2.3	3.8
Pulmonary Tuberculosis :						
(a) Definite ....	—	—	0.1	—	—	0.1
(b) Suspected ....	—	—	0.4	1	.2	0.5
Non-Pulmonary Tuberculosis ....	—	—	0.5	3	.8	0.9
Epilepsy ....	—	—	0.2	4	1.1	0.4
Chorea ....	—	—	0.4	14	4.0	0.5
Other Nervous Conditions ....	—	—	1.5	6	1.7	2.3
Deformities :						
Rickets ....	7	2.0	1.1	3	.8	2.4
Spinal Curvature ....	1	.2	2.8	5	1.4	2.6
Other Forms ....	13	3.7	10.2	8	2.3	9.5

\* In calculating this figure the entrants have been left out.

The following are some of the points revealed by the year's work so far as the routine medical inspections by the School Medical Officer are concerned :—

(a) **Nutrition and Malnutrition.**

Close observation has been kept on the nutrition of children in our schools during the year.

**Height and Weight.**

The height and weight of every child is measured at the time of routine inspection, and the following table shows the average at different ages :—

	Heights.				Weights.					
	Boys		Girls		Boys			Girls		
	ft.	ins.	ft.	ins.	st.	lb.	ozs.	st.	lb.	ozs.
Entrants—										
5 years .....	3	5.4	3	5.2	2	13	2.5	2	11	8.1
6 years .....	3	7.1	3	6.7	3	1	3.6	3	0	0
7 years .....	3	9.4	3	9.1	3	5	7.5	3	3	13.7
8 years .....	3	11.5	3	10.4	3	8	14.8	3	8	6.7
Second Age Group—										
8 years .....	4	0.6	4	0.5	4	0	2.5	3	12	9.5
9 years .....	4	2.8	4	2.6	4	6	4.9	4	3	14.2
Third Age Group—										
12 years .....	4	7.5	4	8.5	5	8	2.6	5	12	13.1
13 years .....	4	9.8	4	10.3	6	4	12.9	6	8	8.6

*Notes.*—In the Entrant Group the average age is approximately as shewn, whereas in the Second and Third Age Groups the average age is higher than the age shewn by approximately four months.

It is to be observed from these measurements that the average of recent years has been well maintained.

**Nutrition.**

The Board of Education in Memorandum 124, issued at the end of 1934, pointed out that it was desirable that statistical returns from all Local Education Authorities should be classified in a precise and uniform manner.

The returns (pages 10 and 40) are, therefore, in accordance with this classification divided into Excellent, Normal, Slightly Sub-normal and Bad.



**Nutrition.**

			A	B	C	D	
Age Groups.			Number examined.	Excellent.	Normal.	Slightly Sub- normal.	Bad.
Entrants—							
Boys, Age	4	.....	5	2	3	—	—
„	5	.....	245	21	128	94	2
„	6	.....	297	10	178	107	2
„	7	.....	56	5	30	21	—
„	8	.....	25	1	13	11	—
Girls, Age	4	.....	3	—	3	—	—
„	5	.....	218	25	119	70	4
„	6	.....	306	21	162	121	2
„	7	.....	51	4	32	13	2
„	8	.....	13	2	8	3	—
Total .....			1219	91	676	440	12
Percentage .....				7.46%	55.46%	36.09%	.98%
Second Age Groups—							
Boys, age	8	.....	534	49	313	162	10
„	9	.....	30	4	18	8	—
„	10	.....	8	1	4	3	—
Girls, age	8	.....	552	62	324	156	10
„	9	.....	44	4	24	15	1
„	10	.....	5	2	2	1	—
Total .....			1173	122	685	345	21
Percentage .....				10.40%	58.39%	29.41%	1.79%
Third Age Groups—							
Boys, age	12	.....	446	31	276	126	13
„	13	.....	39	4	28	7	—
Girls, age	12	.....	496	42	311	127	16
„	13	.....	42	5	28	8	1
Total .....			1023	82	643	268	30
Percentage .....				8.01%	62.85%	26.19%	2.93%
Partially-sighted Class—							
			15	1	8	5	1
Percentage .....				6.66%	53.33%	33.33%	6.66%
Elementary—							
Total .....			3430	296	2012	1058	64
Percentage .....				8.62%	58.65%	30.84%	1.86%
Secondary Schools—							
Boteler Grammar, Boys			196	19	169	7	1
Secondary, Boys			180	13	143	22	2
„ Girls			172	35	119	18	—
Total .....			548	67	431	47	3
Percentage .....				12.22%	78.64%	8.51%	.54%
Jr. Instruction Centre .....			188	49	102	32	5
Percentage .....				26.06%	54.25%	17.02%	2.65%
Grand Total .....			4166	412	2545	1137	72
Percentage .....				9.88%	61.08%	27.29%	1.72%

(b) **Uncleanliness.**

Out of the 3,430 children examined by the doctor at the Routine Inspections only 9, or .26%, were found to have verminous heads in greater or lesser degree, and of these none was sufficiently serious to warrant exclusion from school.

1930	....	....	....	....	....	4.3%
1931	....	....	....	....	....	3.3%
1932	....	....	....	....	....	2.3%
1933	....	....	....	....	....	1%
1934	....	....	....	....	....	1.3%
1935	....	....	....	....	....	1.3%
1936	....	....	....	....	....	.65%
1937	....	....	....	....	....	.19%
1938	....	....	....	....	....	.09%
1939	....	....	....	....	....	.26%

It must be emphasised, too, that the standard of cleanliness expected is much higher now, and compared with 1929, for instance, the .26% of 1939 might almost be considered "negligible."

It must be remembered that the early supervision of the scholars in the schools by our School Nurses accounts for a good deal of this improvement.

We have again to acknowledge our indebtedness to the Police Clothing Fund which, as usual, has been of great assistance to the poorer families.

(c) **Minor Ailments and Diseases of the Skin.**

Impetigo amongst school children has greatly diminished of recent years, and we rarely find those severe cases of involvement of the scalp that used to be so common, especially amongst girls, a few years ago. Out of 3430, children examined at routine inspections, 12, or .3%, were found to be suffering from impetigo.

No cases of ringworm of the scalp were found, but there were nine cases of scabies.

The number of cases of conjunctivitis and blepharitis found during the year was 42 (1.2%).

The continuous work of the Nurses in the schools contributes largely to the reduction in the minor ailments now discovered at routine inspections.

(d) **Visual Defects.**

67.81% of the children examined in the two senior age groups were found to have perfectly normal vision. The eyesight of the entrants is not tested unless in exceptional circumstances.

In the Intermediate and Leaver Groups, the vision of 2,172 children was examined and 139 children or 6.39% were found to require treatment.

The following table shows the results of the examinations of the two groups :—

Group.	No.	6/6	6/9	6/12	†W.G.	aT.	*N.G.I.
SECOND AGE GROUP. Examined.							
Boys—Age 8 .....	526	356	92	23	13	35	7
„ „ 9 .....	30	21	5	1	—	3	—
„ „ 10 .....	8	5	1	—	—	2	—
Girls— „ 8 .....	540	342	131	12	24	31	—
„ „ 9 .....	44	24	10	5	2	3	—
„ „ 10 .....	5	3	2	—	—	—	—
THIRD AGE GROUP.							
Boys—Age 12 .....	444	315	52	9	28	36	4
„ „ 13 .....	39	22	9	2	4	2	—
Girls— „ 12 .....	494	356	71	17	27	23	—
„ „ 13 .....	42	29	5	1	3	4	—
Total ....	2172	1473	378	70	101	139	11
Percentage ....		67.81	17.40	3.22	4.65	6.39	.50

\*N.G.I.—No glasses improve.

†W.G.—Wearing Glasses.

aT.—Treatment required.

The following is a summary showing the degree of defect among the 139 children requiring treatment :—

Number referred for refraction for :—

Vision—6/18 in both eyes ....	35
6/18 in one eye and good or fair vision in the other ....	44
6/24 in both eyes ....	7
6/24 in one eye and 6/18 in other eye ....	8
6/24 in one eye and good or fair vision in the other ....	12
6/36 in both eyes ....	3
6/36 in one eye and 6/24 or 6/18 in the other ....	1
6/36 in one eye and good or fair vision in the other ....	4
6/60 in both eyes ....	3
6/60 in one eye and 6/36, 6/24, or 6/18 in other eye ....	—
6/60 in one eye and good or fair vision in the other ....	2
less than 6/60 in both eyes ....	1
less than 6/60 in one eye and 6/36, 6/24, or 6/18 in other eye ....	2
less than 6/60 in one eye and good or fair vision in the other ....	2
With Squint ....	7
Glasses unsuitable and requiring re-examination ....	*8
	139

\*Of the 8 cases requiring re-examination the degrees of defect were :—

Vision—6/6 in both eyes with glass ....	3
6/9 in both eyes with glasses ....	1
6/18 in both eyes with glasses ....	1
6/24 in both eyes with glasses ....	2
6/36 in both eyes with glasses ....	1
	8



(e) **Nose and Throat Defect.**

The total number of cases of nose and throat disease requiring treatment was 95 or 2.76%.

For the treatment of enlarged tonsils and adenoids and the policy pursued with regard to operations, see page 22.

(f) **Ear Disease and Defective Hearing.**

At Routine Inspections 17 cases of Aural Discharge were discovered, and 5 cases of wax in ears. See remarks on prevention of deafness (page 22).

(g) **Dental Defects.**

The School Medical Officer refers to the Dental Officer for treatment all children with four or more decayed teeth, or any children who are obviously suffering from lack of attention to the mouth.

During 1939, 32 such cases were discovered.

(h) **Orthopædic and Postural Defects.**

27 children suffering from these defects were found at the inspection and those who were not already under treatment were referred to the Orthopædic Surgeon (see page 24).

(i) **Heart Disease and Rheumatism.**

Eight cases of organic heart disease and 12 cases of functional heart disease were discovered, and kept under special observation on this account; Eight cases of anæmia were found during routine inspection, and kept under observation.

All these children and those exhibiting any rheumatic manifestations are kept under special supervision throughout the year.

All cases of Heart Disease, Chorea and Rheumatism are specially noted in the register of physically defective children.

(j) **Tuberculosis.**

There were no cases of suspected tuberculosis discovered at the Routine Inspection.

(k) **Other Defects and Diseases.****ROUTINE INSPECTIONS.**

				Requiring treatment.	To be kept under observation.
Sore Throat	....	....	....	3	—
Nasal Discharge	....	....	....	1	—
Convulsions	....	....	....	—	1
Left Eye Excised	....	....	....	—	1
? Mental Deficiency	....	....	....	—	4
Osteomyelitis	....	....	....	—	1
Scaphoids	....	....	....	—	1
Loose Cartilage	....	....	....	—	1
Old Empyema	....	....	....	—	1
Synovitis	....	....	....	—	1
Debility	....	....	....	—	2
Unresolved Pneumonia	....	....	....	—	1
Diphtheritic Debility	....	....	....	—	1
Multiple Injuries	....	....	....	—	1
Albuminuria	....	....	....	—	1
Weakness of Legs	....	....	....	—	1
Tabes Mesenteria	....	....	....	—	1
Weakness of Shoulder	....	....	....	—	1
Total				4	20

**SPECIAL INSPECTIONS.**

				Requiring treatment.	To be kept under observation.
? Mental Deficiency	....	....	....	—	1
Incontinence	....	....	....	—	2
Rheumatism	....	....	....	—	1
Total				—	4

**Exclusions.**—All children suffering from contagious disease who may be a danger to the other children, and all cases in which the condition necessitates absence from school, are at once excluded by the A.S.M.O. at the time of his inspections. Slight cases are not excluded, but referred for treatment to the Nurses at their bi-weekly visits. The following are the cases excluded during 1939 at both routine and special inspections. In addition, 108 children were referred to the Nurses for treatment in schools as not being serious enough to exclude :—

			Exclusions.	Treatment in School.
Uncleanliness—Head	....	—	9	
Body	....	—	8	
Scabies	....	1	8	
Impetigo	....	—	12	
Other Skin Diseases	....	5	4	
Blepharitis	....	—	40	
Conjunctivitis	....	—	2	
Stye	....	—	4	
Aural Discharge	....	—	16	
Wax in Ears	....	—	5	
Sore Throat	....	3	—	
Defective Clothing	....	—	—	
Defective Footgear	....	—	—	
Mumps	....	—	—	
Total	....	9	108	

## **Further examination of cases selected at the Inspections in the Schools.**

The further examination of certain cases is made at the Inspection Clinic when necessary. These cases consist of children whom it is impossible to examine thoroughly during the Routine Examination.

In 1939 there were 169 such examinations made of 163 children.

## **Other Medical Inspection Work.**

In addition to the Routine inspection work and the examinations of children in the schools in the afternoons, a large amount of work is done by the A.S.M.O. at the Clinic every morning (see page 17).

## **6.—“FOLLOWING-UP” OF CHILDREN SUFFERING FROM PHYSICAL DEFECTS AND WORK OF THE SCHOOL NURSES.**

The procedure adopted in the following-up of the cases to see that defects found at Routine and other inspections are dealt with promptly and satisfactorily has been explained in former Reports.

Only as a last resort are parents summoned to attend before the School Medical Service Committee for not obtaining satisfactory treatment for their children (see page 32).

## **Work of the School Nurses.**

### **(a) IN THE SCHOOLS.**

The examination and dressing of the children are carried out either in the medical room or staff room in the newer schools, or, where there is no such accommodation, in the cloak room or sometimes in a screened-off portion of a class room (see page 19).

The work comprises dressings of discharging ears, sore eyes, impetigo, eczema, supervision of minor ailments which are being treated at home, orthopædic cases, and all children who have been found unsatisfactory at a surprise visit, either nits, unclean, defective footgear, or clothing.

Classes in which cases of Scarlet Fever or Diphtheria have occurred are examined and suspicious cases excluded.

Any children sent by the teachers for sore throats, defects or neglect are also seen, and noted.



On Wednesdays surprise visits are paid to the schools by the nurses. Every child in the school is seen by the nurse and examined for nits, cleanliness of body and clothing, and defective footgear. The names and addresses of all unsatisfactory children are taken and Home Visits are made whenever possible. All such children are seen at subsequent visits to the school.

(b) IN THE HOMES AND IN THE SCHOOL CLINIC.

One nurse attends the minor ailments clinic in the mornings and routine medical inspections in the schools during the afternoon, followed by work in the clinic again at 4 p.m. attending to "after-school" cases. A large number of miscellaneous cases have been dealt with in the homes and in the schools.

Full particulars of this work are given on page 17, and apart from this the following is a summary of the activities of the Nurses for the year 1939 :—

Visits paid to Schools to treat minor ailments ....	1,685
No. of Dressings in School (see page 17) ....	18,313
Visits to homes of children (in many cases assisting with treatment) ....	1,719
Attendances at Routine Medical Inspection in the Schools with the A.S.M.O. ....	209
Notices sent to teachers with reference to excluded children ....	461
"Surprise Visits" to Schools ....	182
Special Visits (to Schools) re Infectious Disease ....	95
Cases of tonsils and adenoids after operation kept under observation ....	217

## 7.—TREATMENT OF DEFECTS OF CHILDREN DURING 1939.

In endeavouring to secure treatment for ailing school children, use is made of all existing agencies, and in addition a large number of cases are referred under supervision for treatment in their own homes.

Whenever the circumstances warrant it, cases are induced to obtain treatment from a private medical practitioner.

A list of the days and hours of attendance at the various Clinics is given on page 2.

### A.—Minor Ailments.

With regard to the work in general, there has been a gradual tendency for a decrease in the incidence of minor ailments amongst school children, dating back to the introduction of the system of bi-weekly treatment by the Nurses in the schools.

This is shown in the following table :—

### INCIDENCE OF MINOR AILMENTS.

	No. of children attending		No. having Home Treatment	No. of Treatments in the school Dressings
	Inspection Clinic	Treatment Clinic		
1922 .....	1,552	560	662	47,513
1923 .....	1,113	349	362	37,451
1924 .....	1,054	377	296	34,337
1925 .....	925	395	218	33,529
1926 .....	1,069	390	305	26,779
1927 .....	2,535	1,633	303	31,639
1928 .....	1,348	844	172	36,638
1929 .....	897	388	247	28,139
1930 .....	858	326	306	27,025
1931 .....	953	363	310	32,837
1932 .....	889	365	251	29,319
1933 .....	810	363	215	23,763
1934 .....	751	364	192	30,610
1935 .....	560	262	157	24,276
1936 .....	600	291	166	21,514
1937 .....	587	297	173	22,663
1938 .....	781	341	279	24,054
1939 .....	592	306	96	18,313

Minor ailments are potential sources of more serious conditions if neglected, and they certainly lead to a considerable loss of attendance at school of the children affected, thereby interfering considerably with their education.

**Inspection Clinic.** (For cases referred by School Nurses, School Teachers, School Attendance Officers, and others.)

	Boys.	Girls.	Total.
Ringworm (Scalp)....	8	3	11
„ (Skin) ....	3	3	6
Conjunctivitis ....	19	16	35
Blepharitis ....	1	2	3
Aural Discharge ....	2	2	4
Impetigo (Scalp) ....	33	21	54
„ (Skin) ....	45	27	72
Scabies ....	66	78	144
Pediculosis (Scalp) ....	15	143	158
„ (Body) ....	5	3	8
Eczema ....	3	3	6
Corneal Ulcers ....	—	—	—
Miscellaneous ....	51	40	91
	<hr/> 251	<hr/> 341	<hr/> 592

(In 1938 the numbers were : Boys 294, Girls 487 ; Total 781.)

The miscellaneous cases consist of various ailments such as sores on the feet or legs, herpes, burns, bruises, abscesses, &c.

These cases were dealt with as follows :—

	Boys.	Girls.	Total
Referred to private practitioners....	44	44	88
„ „ Infirmary .....	7	8	15
„ „ School Clinic (excluded from school) ....	174	132	306
„ „ treatment at home .....	14	82	96
Found fit for school on first attendance....	12	75	87

So far as the Local Authority is concerned the treatment of minor ailments may be divided into 3 groups :—

1. Treatment at the School Clinic.
2. Treatment in the Schools.
3. Treatment in the Homes.

### (1)—Treatment at the School Clinic.

When a child is suffering from an ailment that from its contagiousness may spread to other children, or when the attendance of a child in school may be harmful for other reasons, the case is excluded for treatment, and in the majority of instances of minor ailments this treatment is sought at the School Clinic.

The following table gives a summary of the cases dealt with in this way :—

#### Number of Cases Treated at the Clinic.

Disease.	No. of cases treated in School Clinic.	Total No. of attendances.	Average No. of attendances per case.	No. of days under treatment.	Average No. of days under treatment.
Scabies .....	105	1134	10.8	1931	18.4
Ringworm (Skin)	6	29	4.8	38	6.3
„ (Scalp)	11	292	26.5	352	32.0
Conjunctivitis.....	24	133	5.5	141	5.9
Impetigo (Skin) ....	53	360	6.8	412	7.8
„ (Scalp)	54	381	7.1	421	7.8
Blepharitis, &c: ....	—	—	—	—	—
Aural Discharge....	4	53	13.2	56	14.0
Eczema .....	—	—	—	—	—
Rhinitis .....	—	—	—	—	—
Miscellaneous.....	49	313	6.4	403	8.2
Total .....	306	2695	8.8	3754	12.3
In 1938 .....	341	2698	7.9	3794	11.1



This total of 306 which is also shown in Table IV., Group I. in the Appendix.

In addition 310 children put in 609 attendances at the Clinic after school hours for defects which did not render it necessary for them to be absent from school.

				Boys.	Girls.	Total.
Ringworm (Scalp)	....	....	....	—	—	—
Ringworm (Skin)	....	....	....	—	7	7
Conjunctivitis	....	....	....	21	15	36
Impetigo (Skin)	....	....	....	57	57	114
Impetigo (Scalp)	....	....	....	29	15	44
Blepharitis	....	....	....	8	16	24
Aural Discharge	....	....	....	121	42	163
Scabies	....	....	....	6	1	7
Miscellaneous	....	....	....	98	116	214
				340	269	609

Miscellaneous cases consist of boils, burns, eczema, injuries, septic sores, ped. cap., nasal discharge.

### Ringworm of the Scalp.

There has been a decrease both in the incidence of ringworm of the scalp and in the length of time taken to cure this disease since the provision of X-ray treatment for the condition by the Local Authority.

During 1939 the total cases dealt with in the Clinic were 11, of which 7 received X-ray treatment.

### (2)—Treatment in the Schools.

Our arrangements for dealing bi-weekly with minor ailments in the schools have been detailed in previous Reports.

Altogether the Nurses paid 1,685 visits to the schools, an average of 72.4 to each, not including “surprise” visits.

100 children (54 boys and 46 girls) were excluded from school for infectious diseases, 261 children (84 boys and 117 girls) for contagious diseases and 4 children (3 boys and 1 girl) for uncleanness.

In addition the Nurses submitted a list of children to the School Medical Officer for further examination for suspected defects.

The amount of work done in this connection by the School Nurses in 1939 was as follows :—

#### NUMBER OF DRESSINGS IN THE SCHOOLS.

	Boys.	Girls.	Total.
Impetigo (Scalp) .....	426	165	591
„ (Skin) .....	5547	4505	10052
Eczema .....	628	498	1126
Eyes .....	1687	1298	2985
Ears.....	2013	1546	3559
	10301	8012	18313

There are approximately 200 school working days and this shows that more than 90 cases of minor ailments are dealt with by the Nurses in the schools each day apart from the work of the Clinic.

The total number of children attended to each year in school is seen from the following figures :—

			Number of School Dressings.
1939	....	....	18313
1938	....	....	24054
1937	....	....	22663
1936	....	....	21514
1935	....	....	24276
1934	....	....	30610
1933	....	....	23763
1932	....	....	29319
1931	....	....	32837
1930	....	....	27025
1929	....	....	28139
1928	...	....	36638

In addition to the dressings and apart from the work of “surprise visits,” the Nurses supervise cases of uncleanliness and pediculosis, and in this connection 313 boys and 1,168 girls were examined on 1,713 and 16,924 occasions respectively.

### (3)—Treatment in the Homes.

Certain cases are referred for treatment in their own homes, and have to attend from time to time at the Clinic for instruction and supervision as to the results of treatment.

During 1939 the following received attention :—

	Boys.	Girls.	Total.
Pediculosis of the head ....	11	80	91
Pediculosis of the body and uncleanliness ....	3	2	5
	<hr/> 14	<hr/> 82	<hr/> 96

There is a decrease in the number of cases, compared with the previous year.

The School Nurses visit the homes to advise the mothers with regard to treatment and to see that it is adequately carried out. Altogether 1,730 visits were paid in 1939.

### B.—Treatment of Visual Defects.

Our arrangements with the Warrington Infirmary for dealing with cases of refraction have been continued as usual during the year.

From Table IV., Group II., on page 45, it will be seen that 397 cases of defective vision were dealt with during the year.

365 under the L.E.A.'s scheme,  
7 by private practitioners,  
25 otherwise.  
158 cases carried forward into next year

### **Squint Operations.**

Number of operations in 1939 = 4 (2 boys and 2 girls).

### **Provision of Spectacles.**

The cost of spectacles in practically every instance is defrayed by the parents.

During 1939, 171 pairs were provided by the Local Education Authority. The cost of these, varying from 4/6 per pair for cylindrical and compound lenses, to 3/6 for spherical lenses, was recovered from the parents.

In addition, 9 children were supplied with spectacles by the Public Assistance Committee, in cases where the parents were in receipt of relief, and unable to pay the cost.

### **Prevention of Blindness.**

Some remarks on this subject as affected by features in our School Medical Service were given in the Reports for 1933 and 1934.

During 1939, 134 letters were sent, to parents by the Medical Officer with reference to facilities available for advice and treatment for their children after leaving school.

### **Partially-Sighted Class (Evelyn Street Council School).**

A class for partially-sighted children was established at Evelyn Street Council School, and the children first attended on 18th February, 1935. During the year 1939 altogether 20 attended the class at one time or another. The highest number of children in the class at any time was 19, and on the 31st December, 1939, 14 children were in attendance. Their classification according to type of visual defect was as follows :—

Myopia	....	....	....	....	13
Hypermetropia	....	....	....	....	4
Nystagmus	....	....	....	....	1
Dislocation of Lenses	....	....	....	....	1
Congenital Defect	....	....	....	....	1
					—
					20
					—

Every case is submitted to the Ophthalmic Surgeon previous to admittance to the class. At quarterly intervals the Surgeon visits the class, reports as to the condition of the children and the suitability for employment of children who are about to leave school.

During the year 3 children left school at the age of 14 years.

The School Dentist makes a Dental Inspection of all the children.

A School Nurse makes a visit to the class twice weekly for the treatment and supervision of minor ailments, particular attention being paid to eye condition and the wearing of glasses where prescribed.

The difficulty is, however, that some of these children persist in reading ordinary type out of school hours and at home.



### C.—Treatment of Defects of Nose and Throat.

From Table II. A. (page 39) it will be observed that the following defects of the nose and throat were referred for treatment :—

				At routine inspections.	At "special" examinations.
Chronic Tonsillitis	....	....	....	79	123
Adenoids only	....	....	....	6	25
Chronic Tonsillitis and Adenoids			....	9	44
Other conditions	....	....	....	1	—
				<hr/> 95	<hr/> 192
					<hr/> 287

In 1938 there were 323 similar cases, and 273 in 1937.

A large proportion of the "special" examinations are cases referred by general practitioners asking that the child be dealt with by the School Authority.

287 received treatment during the year (see page 46, Table IV., Group III.)

The following is a summary of the cases dealt with at Warrington Infirmary for which we are indebted to Mr. Archer, who carries out the work :—

#### SUMMARY OF NOSE AND THROAT CASES DEALT WITH IN 1939.\*

Defects.	Satisfactory after operation.		Unsatisfactory after operation.		Totals.		Grand Total.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
Tonsils	....	....	2	3	—	—	5
Tonsils and Adenoids	88	93	—	—	88	93	181
Adenoids	....	....	—	1	—	1	1
Other Defects	....	....	19	10	—	—	29
Totals	....	....	109	107	—	—	216

G. E. ARCHER.

\* This includes 3 Secondary School Cases.

The children who attended for further treatment for other defects included cases of chronic rhinitis and otitis media.

### Prevention of Deafness.

From the early days of medical inspection, the Local Authority has provided treatment for minor ailments, including cases of aural discharge, but many of these require specialist advice and treatment if early cure is to be obtained and deafness or other disaster eventually avoided.

A large amount of ear disease results from infectious diseases, such as measles, scarlatina, diphtheria and meningitis. An aural specialist is attached to our Isolation Hospital and available for every case of

these complications requiring his aid. The same specialist also holds regular consultation sessions for children under five years of age, and cases from the Infant Welfare Centres or elsewhere are referred to him, and, when necessary, are admitted to the Borough General Hospital to be operated on by him.

#### **D.—Treatment of Dental Defects.**

Our aim has always been to secure an initial dental inspection of every child on its entry into school life, to be followed by an annual re-examination until the child ceases to attend school.

The inspections were commenced on the 28th November, 1938, and the whole of the children attending the schools in the Borough, with the exception of the following schools, had been inspected by the outbreak of war in September, 1939.

Evelyn Street School (Infants' Department).  
St. Barnabas' School.  
Bewsey Council School.

These inspections were made as soon as possible after the schools had re-opened.

I am indebted to the School Dental Surgeon (Miss I. M. Candon) for the following report on the work :

The following figures for the year 1939, include schools under the heading —Elementary, Secondary and Junior Instruction Centre :—

Number of Routine Inspections ....	10236
Number found to require treatment ....	7993
Number treated ....	2670
Number of Extractions ....	5439
(mainly under General Anaesthetics)	
Number of fillings ....	1140
Other operations ....	271
(include a variety of treatments :— scalings, dressings, gingivitis, and allied gum conditions).	
Casuals ....	1169

The figures for the year 1939 show a reduction on the previous year. The reduction is to be attributed mainly to the intervention of war. The schools were closed for varying periods from September to the end of the year. In addition one of the Dental Surgeons was called up for military service and for the subsequent few weeks, until a temporary Dental Surgeon was able to take up duty, the School Dental work was in the hands of one Dental Surgeon only.

The 1,169 children who attended as Casuals are those who either refused treatment at the time of inspection or who were unable to attend at the time of appointment.

### E.—Orthopædic Treatment.

The Orthopædic Clinic at the Borough General Hospital, under Mr. Harman Taylor, Liverpool, was carried on successfully, as in previous years.

No. of first examinations by the Surgeon	....	....	....	46
No. of cases dealt with at the Clinic during the year	....	....	....	120
No. of cases in which operations have been performed	....	....	....	9
No. of children who have attended the Clinic for remedial treatment	....	....	....	60
No. of cases in which appliances have been ordered	....	....	....	17*
No. of X-ray examinations	....	....	....	14

\*This includes repairs, alterations, &c. (15 cases).

The types of cases included Rachitic and other deformities, Paralysis and a variety of other abnormalities.

Operations by the Orthopædic Surgeon during 1939 .... 9

Massage, Electrical Treatment and Remedial Exercises :—  
274 children made 1267 attendances.

Ionization Treatment :—  
58 cases made, 535 attendances.

Result of Orthopædic Treatment :—

Cases Discharged. No further treatment required....	47
„ which have left the district before treatment completed	2
„ transferred to other clinics	2
„ which have left school	3
„ parents decline further treatment	2
„ no benefit can accrue from further treatment	1

I have to thank Mr. Harman Taylor for the following remarks on the work for the Year :—

In spite of the advent of the war, the work in this Clinic has continued uninterruptedly. It is recognised that the future of the country depends upon the children now growing up.

To this Clinic there has been assigned the responsibility of the prevention and rectification of physical disability the child may have acquired congenitally or constitutionally. This aspect of national work has been keenly realised by all participating in the work of the Clinic. Thus, through the agency of the Maternity and Child Welfare Scheme, infants who are found to have some physical disability are carefully detected by the Medical Officer and Welfare Nurses, and duly examined and referred to the Orthopædic Clinic for treatment. When these children reach the school age of five years, the treatment in some cases, and the supervision in all cases is continued. There is a perfect co-operation between the Maternity and Child Welfare and Education Scheme for all information regarding infants and disabilities is automatically referred to the School Medical Officer by the Maternity and Child Welfare Authorities. They are again duly examined by the School Medical Officer and referred back to the Orthopædic Clinic should their cases warrant such action. As a result of the early investigation of infants disabilities, it has been found that only very few fresh cases are discovered among children of school age, who possess



physical disabilities. Therefore, the main work of the Education Orthopædic Clinic has been this continuation of treatment already started under the Maternity and Child Welfare Scheme. This is as it should be in any well ordered scheme.

As a result of all this remedial work, and after a careful survey of all cases up to the time that the child leaves school it can be said without reservation that in practically all cases who leave school to enter the competitive world of labour, these young people enter that world with no physical disability, and thus are not handicapped by physical disability. The work has been so successful because there has been such a free spirit of co-operation among the various aspects of these great schemes. It is because of this intelligent public spirited co-operation that such wonderful results have been obtained. This splendid team work is due to the understanding co-operation of the Clerical and Medical personnel.

HARMAN TAYLOR,  
Orthopædic Surgeon.

### F.—Treatment of Uncleanliness.

The “surprise” visits to the schools were carried out as usual during the year. See page 16.

Altogether 1,481 children were found in a more or less uncleanly condition at these inspections.

In addition to the above, however, 96 were in such a state as to warrant exclusion from school (14 boys and 82 girls).

### “Surprise” Visits.

During 1939, an average of 8.3 surprise visits were paid to each school in the borough.

There are 46 departments in the 22 schools, and each department is visited at least once each term :—

The following are the particulars of the “surprise” visits for the past 9 years :—

Year	1931	1932	1933	1934	1935	1936	1937	1938	1939
Number of Schools in the Borough .....	23	21	22	24	21	23	22	22	22
Average number of visits per annum paid by Nurses to school .....	13.78	11	9	10.3	6.5	6.2	10.7	8.3	8.3
Total number of examinations made by School Nurses of children .....	41354	28408	30598	43254	40573	37773	27353	34963	28910
Number of children found unclean (1481), excluded ....	101	95	57	59	41	43	53	47	96
Number found suffering from minor ailments excluded ....	92	33	34	71	55	79	44	77	83

**Legal Proceedings** are taken when necessary under the School Attendance Byelaws, but no action was required last year.

### G.—Treatment of all Other Defects.

The other defects found at Routine Inspection, except infectious diseases and tuberculosis which are referred at once to the Health Department, received consideration as follows:—

	Referred for treatment.	Treated.	Still under observation	Left School
Otorrhœa ....	1	1	—	—
Bronchitis ....	4	4	—	—
Enlarged Cervical Glands ....	1	1	—	—
Total ....	6	6	—	—

In the first instance we advise these cases to receive treatment from their own doctor. If the parents cannot afford this we assist them in obtaining a recommendation for attendance at the local Infirmary, or, if necessary, from the Domiciliary Medical Services. The Council of Social Service, British Red Cross Society, and United Services' Fund have all rendered valuable service in defraying the expense of sending children to special institutions or in providing extra nourishment and clothing.

### Tuberculosis.

All children suffering from or suspected to be suffering from this disease, are referred to the Tuberculosis Dispensary.

#### (a) Dispensary.

During 1939 there were the following examinations:—

	No. of Cases.	No. of Examinations.
Tuberculosis of lungs ....	1	3
Suspected cases and contacts ....	29	54
Tuberculosis of glands ....	17	23
„    „ abdomen ....	8	10
„    „ bones and joints ....	9	17
„    „ other organs ....	1	2
Totals ....	65	109

Treatment has been provided at various institutions, as follows:—

#### (b) In Residential Institutions.

Eight children of school age received in-patient treatment at the following institutions:—

Hefferston Grange Sanatorium ....	4
Borough General Hospital ....	4
Warrington Infirmary ....	—
Total ....	8

The cases were as follows:—

Tuberculosis of lungs	....	....	....	....	...	1
„ „ glands	....	....	....	....	....	3
„ „ abdomen	....	....	....	....	....	2
Observation cases	....	....	....	....	....	2
						—
						8
						—

These 8 cases were discharged during the year. The average period of stay was 10 weeks, 2 days.

Of the 8 cases discharged, 5 were quiescent, 2 were observation cases found not tuberculous, and 1 died.

6 were fit to return to school, and 1 was placed under Dispensary Supervision.

### (c) **Out-patients.**

15 children of school age received out-patient treatment at the following hospitals:—

Warrington Infirmary, 1.

Borough General Hospital, 14.

The cases were as follows:—

	Warrington Infirmary.	Borough General Hospital.
Tuberculosis of Cervical Glands .....	1	6
„ Bones and Joints —	—	8

The case attending Warrington Infirmary was still receiving treatment on 31/12/39.

9 of the 14 cases receiving treatment at the Borough General Hospital completed treatment and were discharged much improved.

5 were still receiving treatment on 31/12/39.

The case that attended the Warrington Infirmary for artificial sunlight treatment made 52 attendances. The 14 cases attending the Borough General Hospital Clinic made 299 attendances.



## Tuberculosis.

The actual incidence of tuberculosis amongst the school children of Warrington as known to us on the 31st December, 1939, was as follows :—

	Attending school.		Not attending school.		Total.
	Males.	Females.	Males.	Females.	
Tuberculosis of Lungs ....	1	—	—	—	1
„ „ Glands ....	3	4	—	—	7
„ „ Abdomen ....	6	3	1	—	10
„ „ Bones and Joints ....	5	3	1	1	10
Other forms of Tuberculosis..	—	—	1	—	1
Total ....	15	10	3	1	29

6 school children were supplied with surgical appliances or repairs to same.

3 school children were supplied with extra nourishments in the form of Milk and Virol.

## X-ray Examinations.

These were carried out at the X-ray Department of the Borough General Hospital by the Tuberculosis Officer in conjunction with Dr. Ross. The number of X-ray examinations during the year was 25. This work has been found to be essential for accurate diagnosis.

## 8.—INFECTIOUS DISEASES.

The measures taken to prevent the spread of infectious disease have been the same as in previous years. The daily visitation of schools by the nurses has assisted this work considerably.

The number of cases of notifiable infectious disease occurring among School children during 1939 were as follows :—

Scarlet Fever.	Diphtheria.	Pulmonary Tuberculosis.	Other Tubercular Diseases.
214	51	2	3

The following table shows the number of Non-Notifiable infectious diseases :—

Whooping Cough	Chicken Pox.	Mumps.	Sore Throat.	Measles.	German Measles.
252	394	621	163	35	11
Total 1476.					

In regard to non-notifiable diseases the figure 1476 does not represent the total cases occurring in the borough, but only those that came to our notice.

School Closure was not resorted to as a preventive measure during the year.

The following statement gives the number of children examined by the Medical Officer as to freedom from infection.

Scarlet Fever (convalescents)	....	....	....	94
Diphtheria (convalescents)	....	....	....	47
Contacts with cases of Scarlet Fever or Diphtheria examined previous to being allowed to attend school	....	....	....	287
Sore Throat cases before being allowed to return to school	....	....	....	28
Other doubtful cases before being allowed to return to school	....	....	....	10

## Deaths from Infectious Diseases

The following is a list showing the causes of deaths among children of school age :—

Scarlet Fever	....	....	....	1
Diphtheria	....	....	....	1
Whooping Cough	....	....	....	1
Tuberculous of Lungs	....	....	....	2
Accidents	....	....	....	2
All other causes	....	....	....	6
				<hr/> 13 <hr/>

4,279 visits were made by the Sanitary Inspectors to the homes of school children to investigate and supervise outbreaks of infectious disease.

## Immunization against Diphtheria.

During the year, 674 children—boys 323, girls 351—of school age were immunized at the schools and Clinic.

In every instance the written consent of the parents or guardians is previously obtained and no child is immunized unless consent is given.

At the school, the Head Teacher always assists by getting the written consent of the parents, and they also muster the children when they have to be treated. A nurse is in attendance to assist in the treatment and keep a record of it on a special card.

## 9.—PROVISION OF MEALS.

Voluntary schemes for the supply of milk to school children have been in operation in our schools for the past eleven years.

Our best thanks are due to all those teachers who so ably initiated and conducted these schemes.

As it is absolutely essential that any scheme for the provision of milk to growing children should ensure that the supply is free from the tubercle bacillus, we have made it a condition that all supplies should be either "Pasteurised" or "Tuberculin Tested." At the moment only pasteurised milk is being supplied.

The cost is  $\frac{1}{2}$ d per  $\frac{1}{3}$ rd. of a pint.

A scheme is in operation whereby the Local Authority supplies the milk free to necessitous cases.

In accordance with the policy laid down by the Board, selection of these cases has been based on medical grounds.

At the Routine Inspections, all children whose nutrition is either slightly sub-normal or bad are recommended by the Assistant School Medical Officer to have milk in school. In addition, children whose nutrition is noted as normal may be suffering from some defect or disease, and the Medical Officer has recommended certain of them as being in need of milk.

From the Routine Inspections 1446 children, of whom 658 had been already dealt with, have been noted by the Assistant School Medical Officer as being in need of milk, and at special inspections at schools and clinic 292 children have been noted.

In all recommended cases visits have been made by the School Attendance Officers (except where parents have themselves attended at the Office) to inform the parents of the Assistant School Medical Officer's recommendations, and to enquire whether it is desired that application for milk free of charge is to be made, or whether the parent will arrange with the Head Teacher to send payment for it.

The following table shows the number of children who were receiving milk during the month of December, 1940, and the number of Milk Meals supplied during the same period. These figures are a fair average for each month of the year :—

### Sub-Normal Children :

Children.	Meals.	Free.	For Payment.
2591	40922	1304	1287

### Normal Children :

Children.	Meals.	Free.	For Payment.
4355	57717	—	4355



## **10.—OPEN-AIR EDUCATION.**

There are four schools of the semi-open-air type, which are particularly well ventilated and lighted and capable of being thrown open on two sides. They are well provided with playing space and their favourable environment should be of assistance in promoting the health of the scholars.

In the older schools when circumstances permit, playground classes are organised as there are no class rooms of an open-air type in them.

There is no special day or residential open-air school available for Warrington children.

## **11.—PHYSICAL TRAINING.**

As far as possible, every child undergoes physical training for a period of twenty minutes each day. The syllabus is based on the Syllabus of Physical Training for Schools issued by the Board of Education in 1919 and usually each teacher is responsible for his or her own class. The Town Hall, Parks and Baths Committee have given permission for the use of Bank Park for organised games during school hours.

In addition to the physical education in school hours, the teachers have organised competitions in Football (Association and Rugby) Netball, Rounders, Hockey and Swimming, which take place outside of school hours, and in which all the schools take part.

A Physical Training Organiser has been appointed to assist in the arranging for various physical exercises and games.

### **Swimming Instruction.**

Scholars following their attaining the age of 11 years attend at the Baths for swimming instruction.

## **12.—CO-OPERATION OF PRIVATE PRACTITIONERS, PARENTS, TEACHERS, SCHOOL ATTENDANCE OFFICERS AND VOLUNTARY BODIES.**

### **(a) General Practitioners.**

We are greatly indebted to the private doctors in the town for the cordial manner in which they co-operate with us.

We refer all cases whose circumstances warrant it to the family doctor for treatment and the family doctor in return does not hesitate to avail himself promptly of any facilities for treatment offered by the Local Authority that he considers his patient requires.

### **(b) Parents.**

In 1,691 instances (49.3%) out of 3,430 examinations at routine medical inspections, one or both of the parents were present.

### Committee Cases and Prosecutions.

In 31 cases, parents were summoned to appear before the Committee. The following were the reasons :—

Neglecting to pay for Nose and Throat Operation ....	17
Neglecting to pay for Surgical Appliance ....	10
Neglecting to pay for Spectacles ....	4

#### (c) Teachers.

The success of the work of the School Medical Service is due in large measure to the help given by the Teachers, who co-operate both willingly and generously at medical inspections, and in the treatment and after-care of the children.

Once more our best thanks are due to the teachers, who are assisting so much in the improvement of the health of their pupils by the distribution of a daily supply of milk.

#### (d) School Attendance Officers.

The School Attendance Officers have again rendered every assistance possible to our Department.

### 13.—BLIND, DEAF, DEFECTIVE AND EPILEPTIC CHILDREN.

The following table shows the number of exceptional children in the area together with the incidence of defective children per 1,000 of the school population (see tables in the Appendix page 41).

	Number of Children	Incidence per 1,000
Multiple Defect ....	1	.09
Blind—Totally ....	3	.27
Partially-sighted ....	14	1.29
Deaf—Totally ....	4	.37
Partially ....	—	—
Mentally Defective (feeble-minded) ....	23	2.13
Epileptic (Severe) ....	10	.92

	Number of Children	Incidence per 1,000
<b>Physically Defective.</b>		
Pulmonary Tuberculosis ....	1	.09
Non-pulmonary Tuberculosis ....	28	2.59
Delicate Children ....	27	2.50
Crippled Children....	19	1.76
Heart Disease ....	24	2.22
Total—Physically Defective ....	99	9.17
Grand Total ....	154	14.27

The numbers of exceptional children in 1939 were as follows :—

(i) **Blind.**

	Boys	Girls	Total
At certified schools for the Blind....	1	2	3
Partially-sighted (At certified schools for the partially-sighted) ....	7	7	14
Partially-sighted (At Public Elementary Schools)	—	—	—
	8	9	17

(ii) **Deaf.**

At certified schools for the Deaf ....	3	1	4
--	---	---	---

(iii) **Physically Defective.**

*Not Attending School :—*

(a) Crippled Children

Deformed right arm ....	—	1	1
Paralysis right arm ....	—	1	1
	—	2	2

(b) Children with heart disease ....	—	2	2
--------------------------------------	---	---	---

(c) Delicate children—

Rheumatism ....	—	2	2
Asthma and Bronchitis ....	1	—	1
	1	2	3

*In Institutions :—*

Delicate Children	—	—	—
-------------------	---	---	---

*Attending School :—*

(a) Crippled Children

Paralysis and Drop Foot ....	1	—	1
Infantile Paralysis ....	10	1	11
Spastic Paralysis ....	3	—	3
Perthes Disease, Left Hip ....	1	—	1
Curvature of Spine ....	1	—	1
	16	1	17

(b) Children with Heart Disease....	10	12	22
-------------------------------------	----	----	----



(c) Delicate Children	Boys	Girls	Total
Rheumatic Endocarditis ....	3	2	5
Enlarged Bursa ....	1	—	1
Curvature Spine ....	1	1	2
Rickets and Mitral Murmur ....	—	1	1
Chorea and Endocarditis ....	—	1	1
Debility ....	—	2	2
Chorea ....	1	1	2
Bronchitis and Anæmia ....	1	—	1
Cardiac Disease ....	—	1	1
Rheumatism ....	1	—	1
Bronchitis ....	1	—	1
Cases under observation of T.B. Officer....	1	4	5
Hip and Spinal Trouble ....	—	1	1
	10	14	24

For cases of Tuberculosis attending or not attending School, see page 27.

(iv) **Mentally Defective.**

Feeble-minded :	Boys.	Girls.	Total.
At Public Elementary Schools .....	5	2	7
Not at school .....	7	9	16
	12	11	23
Notified to Local Authority .....	Nil		

(v) **Epileptic.**

	Boys.	Girls.	Total.
At certified special schools....	1	—	1
At Public Elementary Schools ....	—	—	—
Not at school ....	5	4	9
	6	4	10

(b) **Arrangements for supervision of mentally defective children not in special schools.**

Feeble-minded children who can do so attend at the elementary schools and are inspected by the A.S.M.O. every time he visits the school, i.e., twice a year. Those children who cannot attend an elementary school because of their troublesome behaviour are re-examined periodically at the school Clinic. All cases notified to the Local Authority (ineducables) are also reported to the West Lancashire Association for Mental Welfare, and feeble-minded children who attain 14 years of age are notified to this association also. A further notification is also sent of all M.D. cases on their attaining 16 years of age.

(c) **Special Schools.**

There are no special schools in this Borough.

#### **14.—HIGHER EDUCATION FOR BLIND, DEAF, DEFECTIVE AND EPILEPTIC STUDENTS.**

At the age of 16 years blind children are transferred to institutions for training. Before this is done, the local Society for the Blind is consulted as to the occupation which is likely to be most suitable for the student, from the point of view of employment in the future.

The local Society for the Blind reports blind adults who are in need of training and arrangements are made for their admission to a suitable institution.

On the 31st December, 1939, there were 6 persons in training in institutions for the Blind.

There are no Deaf, Epileptic or other Defective children receiving higher education.

There is co-operation with the local Deaf and Dumb Society and the Northern Counties' Association for the Deaf, and the services of the Education Committee's Choice of Employment department are used in finding suitable employment for deaf children when they leave school.

The Local Authority does not maintain any training courses of its own.

#### **15.—SECONDARY SCHOOL.**

There is one Secondary School for boys and girls (Municipal Secondary School) provided by the Authority, and a Secondary School for boys (Boteler Grammar School) which previously was aided by the Authority, has been, since the 26th May, 1933, provided by the Authority.

The arrangements for medical inspection and treatment of the children attending the Secondary School were given in detail in the Report for 1931.

The results disclosed are given in the tables in the Appendix "Defects" in Table IIa, page 39 and the treatment of the defects in Table IV, group II, page 45.

#### **Junior Instruction Centre.**

Figures relating to inspections at the Centre will be found in the tables at the end of the Report. (See pages 38, 39, 40, 45 and 48).

#### **16.—PARENTS' PAYMENTS.**

(a) In the report for 1933, full details were given of the cost of the various forms of treatment provided for the children and the scale of charges (if any) made to parents.

(b) Arrangements for recovering the cost of treatment from parents of pupils attending the Secondary School are exactly the same as for the public elementary schools.



(c) Parents' contributions towards the cost of maintenance in special schools (Blind, Deaf, etc.) are assessed by the School Attendance Committee according to the income of the family.

### 17.—HEALTH EDUCATION.

A large amount of health teaching goes on daily in our schools and the handbook of the Board of Education on "Suggestions on Health Education" is in general use.

Education in matters of health is being continually given by teachers in the schools. School Nurses contribute during the performance of their duties. Literature is supplied by the Health and Cleanliness Council. The Dental Board of the United Kingdom is freely distributed. Better Health Magazine, published each month is distributed among the school populous.

### 18.—SPECIAL INQUIRIES.

There have been no special inquiries during the year under review.

### 19.—MISCELLANEOUS.

#### (a) Examination of Bursars, Student and Pupil Teachers.

During the year three candidates for Student Teacherships were medically examined and found fit by the Assistant School Medical Officer.

#### (b) Number of Children Examined Before Summer Camp.

Summer camp examinations .... 499

### Employment of Children and Young Persons.

#### EMPLOYMENT OF CHILDREN

During the year, 199 children were examined by the A.S.M.O. as to their suitability to undertake work out of School hours.

198 Employment Certificates were in use on the 31st December. The following is a list of the occupation :—

	Boys.	Girls.
Delivery of Newspapers ....	127	—
Delivery of Milk ....	29	1
Drapers' and Outfitters' Errands ....	6	—
Butchers' Errands ....	12	—
Fruiterers' and Greengrocers' Errands ....	5	—
Grocers' Errands ....	5	—
Other Tradesmen's Errands ....	13	—
	<hr/> 197	<hr/> 1



STATEMENT OF THE NUMBER OF CHILDREN NOTIFIED  
DURING THE YEAR ENDED 31st DECEMBER, 1939, BY THE  
LOCAL EDUCATION AUTHORITY TO THE LOCAL MENTAL  
DEFICIENCY AUTHORITY.

DIAGNOSIS.	BOYS.	GIRLS.
1. (i) Children incapable of receiving benefit or further benefit from instruction in a Special School :		
(a) Idiots ....	—	—
(b) Imbeciles ....	—	—
(c) Others ....	—	—
(ii) Children unable to be instructed in a Special School without detriment to the interests of other children :		
(a) Moral defectives ....	—	—
(b) Others ....	—	—
2. Feeble-minded children notified on leaving a Special School on or before attaining the age of 16 ....	—	—
3. Feeble-minded children notified under Article 3, <i>i.e.</i> , "special circumstances" cases ....	—	—
<i>Note.</i> —No child should be notified under Article 3 until the Board have issued a formal certificate (Form 308M) to the Authority		
4. Children who in addition to being mentally defective were blind or deaf ....	—	—
<i>Note.</i> —No blind or deaf child should be notified without reference to the Board—see Article 2, proviso (ii).		
GRAND TOTAL ....	—	—

TABLE I.—RETURN OF MEDICAL INSPECTIONS, 1st JANUARY, 1939, TO 31st DECEMBER, 1939.

FORM 8aM.

*A.—Routine Medical Inspections.*

Number of Inspections in the Prescribed Groups:—

Entrants....	Age 4		Age 5		Age 6		Age 7		Age 8		Totals
	B.	G.	B.	G.	B.	G.	B.	G.	B.	G.	
	5	3	245	218	297	306	56	51	25	13	

Second Age Group ....	....	Age 8		Age 9		Age 10		Total
		Boys	Girls	Boys	Girls	Boys	Girls	
		534	552	30	44	8	5	
<hr/>								
Third Age Group ....	....	....	....	Age 12		Age 13		Total
				Boys	Girls	Boys	Girls	
				446	496	39	42	
<hr/>								
Total								3415

Number of other Routine Inspections :—

	Boys.	Girls.	Total.
Partially Sighted Class ....	8	7	15

GRAND TOTAL .... 3430

*B.—Other Inspections.*

Special Inspections	....	....	....	....	2181
Re-inspections	....	....	....	....	1425
Total	....	....	....	....	3606

*C.—Children found to require Treatment.*

Prescribed Groups :—

			Defective Vision.	Others.	Total.
Entrants	....	....	—	120	120
Second Age Group	....	....	73	77	150
Third Age Group	....	....	62	46	108
Total	....	....	135	243	378
Other Routine Inspections	....	....	—	2	2
Grand Total	....	....	135	245	380

SECONDARY SCHOOLS.

*A.—Routine Medical Inspections.*

Boys.	Girls.	Total.
376	172	548

*B.—Other Inspections.*

Special Inspections	....	....	14
Re-Inspections	....	....	56
Total	....	....	70

JUNIOR INSTRUCTION CENTRE.

*A.—Routine Medical Inspections.*

Boys.	Girls.	Total.
90	98	188

*B.—Other Inspections.*

Special Inspections	....	....	1
Re-inspections	....	....	8
Total	....	....	9

TABLE II. (A.)

RETURN OF DEFECTS FOUND BY MEDICAL INSPECTION IN  
THE YEAR ENDED 31<sup>st</sup> DECEMBER, 1939.

[illegible]



TABLE II. (A.)—*continued*.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Defective Speech .....	....	9	....	4	....	....	....	....	....	....	....	....
Heart and Circulation—												
Heart Disease												
Organic .....	....	8	1	....	....	2	....	....	....	....	....	....
Functional .....	....	12	....	....	....	3	....	....	....	....	....	....
Anæmia .....	....	8	....	3	....	....	....	....	....	....	....	....
Lungs—												
Bronchitis .....	3	7	1	....	....	....	....	....	....	....	....	....
Other Non-Tubercu- lous Diseases .....	....	1	....	....	....	1	....	....	....	....	....	....
Tuberculosis—												
Pulmonary :												
Definite .....	....	....	....	....	....	....	....	....	....	....	....	....
Suspected .....	....	1	....	....	....	....	....	....	....	....	....	....
Non-Pulmonary :												
Glands .....	....	1	1	....	....	....	....	....	....	....	....	....
Spine .....	....	....	....	....	....	....	....	....	....	....	....	....
Hip .....	....	....	....	....	....	....	....	....	....	....	....	....
Other Bones and Joints .....	....	1	....	....	....	....	....	....	....	....	....	....
Skin .....	....	....	....	....	....	....	....	....	....	....	....	....
Other Forms .....	....	1	....	....	....	....	....	....	....	....	....	....
Nervous System—												
Epilepsy .....	....	4	....	2	....	....	....	....	....	....	....	....
Chorea .....	....	14	....	1	....	....	....	....	....	....	....	....
Other Conditions .....	....	6	....	1	....	....	....	....	....	....	....	....
Deformities—												
Rickets .....	7	3	3	....	....	1	....	....	....	....	....	....
Spinal Curvature .....	1	5	1	....	....	....	....	....	....	....	....	....
Other Forms .....	19	8	32	....	1	1	....	....	....	....	1	....
Other Defects & Diseases (Excluding Defects of Nutrition, Uncleanliness and Dental Diseases)	4	20	....	4	....	....	....	....	....	....	....	....
Total .....	385	241	557	44	16	10	10	....	29	....	1	....

B.—Classification of the Nutrition of Children inspected during the year in the  
Routine Age-Groups.

ROUTINE AGE-GROUP INSPECTIONS.

Age-Groups.	No. of children inspected	A.		B.		C. (Slightly sub-normal)		D.	
		(Excellent)		(Normal)				(Bad)	
		No.	%	No.	%	No.	%	No.	%
Entrants .....	1219	91	7.46	676	55.45	440	36.09	12	.98
Second Age-Group .....	1173	122	10.40	685	58.39	345	29.41	21	1.79
Third Age-Group .....	1023	82	8.01	643	62.85	268	26.19	30	2.93
Other Routine Inspections—									
Partially Sighted Class	15	1	6.66	8	53.33	5	33.33	1	6.66
Secondary Schools .....	548	67	12.22	431	78.64	47	8.57	3	.54
Jr. Instruction Centre	188	49	26.06	102	54.25	32	17.02	5	2.65
Total .....	4166	412	9.88	2545	61.08	1137	27.29	72	1.72

TABLE III.—RETURN OF ALL EXCEPTIONAL CHILDREN  
IN THE AREA.

## BLIND CHILDREN.

At Certified Schools for the Blind.	At Public Elementary Schools.	At other Institutions	At no School or Institution.	Total.
3	—	—	—	3

## PARTIALLY SIGHTED CHILDREN.

At Certified Schools for the Blind.	At Certified Schools for the Partially Sighted.	At Public Elementary Schools.	At other Institutions.	At no School or Institution.	Total.
—	14	—	—	—	14

## DEAF CHILDREN.

At Certified Schools for the Deaf.	At Public Elementary Schools.	At other Institutions	At no School or Institution.	Total.
4	—	—	—	4

## PARTIALLY DEAF CHILDREN—NIL.

## MENTALLY DEFECTIVE CHILDREN.

## FEEBLE-MINDED CHILDREN.

At Certified Schools for Mentally Defective Children.	At Public Elementary Schools.	At other Institutions	At no School or Institution.	Total.
—	7	—	*16	23

\* Includes 10 children between fourteen and sixteen years of age.

## EPILEPTIC CHILDREN.

## CHILDREN SUFFERING FROM SEVERE EPILEPSY.

At Certified Special Schools.	At Public Elementary Schools.	At other Institutions.	At no School or Institution.	Total.
1	—	—	*9	10

\* Includes 2 children between fourteen and sixteen years of age.

## PHYSICALLY DEFECTIVE CHILDREN.

## A. TUBERCULOUS CHILDREN.

I.—CHILDREN SUFFERING FROM PULMONARY  
TUBERCULOSIS.

(Including pleura and intra-thoracic glands.)

At Certified Special Schools.	At Public Elementary Schools.	At other Institutions.	At no School or Institution.	Total.
—	1	—	—	1

II.—CHILDREN SUFFERING FROM NON-PULMONARY  
TUBERCULOSIS.

(This category should include tuberculosis of all sites other than those shown in (I) above.)

At Certified Special Schools.	At Public Elementary Schools.	At other Institutions.	At no School or Institution.	Total.
—	24	—	4	28



## B. DELICATE CHILDREN.

At Certified Special Schools.	At Public Elementary Schools.	At other Institutions.	At no School or Institution.	Total.
—	24	—	3	27

## C. CRIPPLED CHILDREN.

At Certified Special Schools.	At Public Elementary Schools.	At other Institutions.	At no School or Institution.	Total.
—	17	—	2	19

## D. CHILDREN WITH HEART DISEASE.

At Certified Special Schools.	At Public Elementary Schools.	At other Institutions.	At no School or Institution.	Total.
—	22	1	1	24

## MULTIPLE DEFECTS.

Epilepsy and Spastic Gait .... 1  
(At no School)

TABLE IV.—RETURN OF DEFECTS TREATED DURING THE  
YEAR ENDED 31st DECEMBER, 1939.

TREATMENT TABLES.

GROUP I.—*Minor Ailments*  
(excluding Uncleanliness, for which see Table VI.) :—

Defect or Disease.  (1)	Number of Defects treated or under treatment during the year.		
	Under the Authority's Scheme (2)	Otherwise (3)	Total (4)
<i>Elementary Schools—</i>			
<i>Skin—</i>			
Ringworm—Scalp.			
(i) X-Ray Treatment ....	7	—	7
(ii) Other „ ....	4	—	4
Ringworm—Body ....	6	—	6
Scabies ....	105	35	140
Impetigo ....	107	19	126
Other Skin Diseases ....	—	5	5
<i>Minor Eye Defects—</i>			
(External and other, but excluding cases falling in Group II.) ....	24	14	38
<i>Minor Ear Defects</i> ....	4	—	4
<i>Miscellaneous—</i>			
(e.g., minor injuries, bruises, sores, chilblains, etc.) ....	49	30	79
Total ....	306	103	409

TABLE IV.—Continued.

GROUP II.—*Defective Vision and Squint (excluding Minor Eye Defects treated as Minor Ailments—Group I.).*

Defect or Disease  (1)	Number of Defects dealt with.			
	Under the Authority's Scheme.  (2)	Submitted to refraction by private practitioner or at hospital, apart from the Authority's Scheme.  (3)	Other- wise.  (4)	Total.  (5)
<i>Elementary Schools—</i>				
Errors of Refraction (in- cluding Squint) ....	364	7	25	396
Other Defect or Disease of the Eyes (excluding those in Group I.) ....	1	—	—	1
Total ....	365	7	25	397
<i>Secondary School—</i>				
Errors of refraction (in- cluding Squint) ....	10	3	8	21
Other Defect or Disease of the Eyes (excluding those recorded in Group I.) ....	—	—	—	—
Total ....	10	3	8	21
<i>Junior Instruction Centre—</i>				
Errors of refraction (in- cluding Squint) ....	2	1	2	5
Other Defects or Disease of the Eyes (excluding those recorded in Group I.) ....	—	—	—	—
Total ....	2	1	2	5

*Total number of Children for whom Spectacles were prescribed :—*

	Elementary Schools.	Secondary School.	Junior Instruction Centre.
(a) Under the Authority's Scheme ....	*172	6	2
(b) Otherwise ....	29	10	2
<i>Total number of Children who obtained or Received Spectacles :—</i>			
(a) Under the Authority's Scheme ....	*163	5	2
(b) Otherwise ....	29	10	2

\*Due to "carry over."



TABLE IV.—Continued.  
GROUP III.—*Treatment of Defects of Nose and Throat :—*

NUMBER OF DEFECTS.				
Received Operative Treatment.			Received other forms of Treatment	Total number treated
Under the Authority's Scheme in Clinic or Hospital	By Private Practitioner or Hospital, apart from the Authority's Scheme	Total		
(1)	(2)	(3)	(4)	(5)
<i>Elementary Schools—</i>				
Tonsils only.	Adenoids only.	Tonsils & Adenoids.	Others	
3	1	180	29	
		—		213
			74	287
<i>Secondary School—</i>				
2	—	1	—	3
		—		3

GROUP IV.—*Orthopaedic and Postural Defects.*

	Under the Authority's Scheme (1)			Otherwise. (2)			Total number treated.
	Residential treatment with education. (i)	Residential treatment without education. (ii)	Non-Residential treatment at an orthopaedic clinic. (iii)	Residential treatment with education. (i)	Residential treatment without education. (ii)	Non-residential treatment at an orthopaedic clinic. (iii)	
Number of children treated	—	—	120	—	—	15	135

TABLE V.—DENTAL INSPECTION AND TREATMENT.  
ELEMENTARY SCHOOLS.

(1) Number of Children who were :—				
(a) Inspected by the Dentist :—Aged :				
Routine Age Groups ....	4	....	4	Total .... 8273
	5	....	218	
	6	....	727	
	7	...	1124	
	8	....	1135	
	9	....	1335	
	10	....	1303	
	11	....	985	
	12	....	472	
	13	....	518	
	14	....	445	
	15	—	7	
			Specials ....	1148
			Grand Total	9421

TABLE V.—Continued.

(b) Found to require treatment	....	....	....	....	....	7400
(c) Actually treated	....	....	....	....	....	3757
(2) Half-days devoted to	<div> <div>{</div> <div>Inspection .... 104</div> <div>Treatment .... 767</div> <div>}</div> </div>					Total 871
(3) Attendances made by children for treatment	....	....	....	....	....	4669
(4) Fillings	<div> <div>{</div> <div>Permanent teeth 1006</div> <div>Temporary teeth 49</div> <div>}</div> </div>					Total 1055
(5) Extractions	<div> <div>{</div> <div>Permanent teeth 1293</div> <div>Temporary teeth 4087</div> <div>}</div> </div>					Total 5380
(6) Administrations of general anæsthetics for extractions	....	....	....	....	....	3549
(7) Other operations	<div> <div>{</div> <div>Permanent teeth 244</div> <div>Temporary teeth —</div> <div>}</div> </div>					244

## SECONDARY SCHOOL.

(1) Number of Children who were :—

(a) Inspected by the Dentist :—

Aged :									
Routine Age Groups				.....		{		10 .... 11	
								11 .... 90	
								12 .... 94	
								13 .... 103	
								14 .... 94	
								15 .... 101	
								16 .... 44	
								17 .... 15	
Specials				.....		{		18 .... 3	
								Total	555

(b) Found to require treatment .... 416

(c) Actually treated .... 64

(2) Half-days devoted to	<div> <div>{</div> <div>Inspection .... 6</div> <div>Treatment .... 4</div> <div>}</div> </div>					Total 10
(3) Attendances made by children for treatment	....	....	....	....	....	118
(4) Fillings	<div> <div>{</div> <div>Permanent teeth 79</div> <div>Temporary teeth —</div> <div>}</div> </div>					Total 79
(5) Extractions	<div> <div>{</div> <div>Permanent teeth 33</div> <div>Temporary teeth 3</div> <div>}</div> </div>					Total 36
(6) Administrations of general anæsthetics for extractions	....	....	....	....	....	30
(7) Other operations	<div> <div>{</div> <div>Permanent teeth 26</div> <div>Temporary teeth —</div> <div>}</div> </div>					26

TABLE V.—Continued.  
JUNIOR INSTRUCTION CENTRE.

(1) Number of Children who were :—												
(a) Inspected by the Dentist :—												
				Aged :								
Routine Age Groups				....			{ 14 .... 40 15 .... 44 16 .... 22 17 .... 38 18 .... 32 }			Total	176	
Specials				....			....			....	4	
										Grand Total	<u>180</u>	
(b) Found to require treatment										....	126	
(c) Actually treated										....	18	
(2) Attendances made by children for treatment										....	23	
(3) Half-days devoted to										{ Inspection .... 16 Treatment .... — }	Total	16
(4) Fillings										{ Permanent teeth 6 Temporary teeth — }	Total	6
(5) Extractions										{ Permanent teeth 20 Temporary teeth 3 }	Total	23
(6) Administrations of general anæsthetics for extractions										....	15	
(7) Other operations										{ Permanent teeth 5 Temporary teeth — }	Total	5

TABLE VI.—UNCLEANLINESS AND VERMINOUS CONDITIONS.

(i)	Average number of visits per school made during the year by the School Nurses	....	....	....	....	....	8.2
(ii)	Total number of examinations of children in the Schools by School Nurses	....	....	....	....	....	28,910
(iii)	Number of individual children found unclean				..	....	2,358

